

The haagerup problem on subadditive weights on W^* -algebras

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Abstract

In 1975 U. Haagerup stated the following question: Is every normal subadditive weight on a W^* -algebra σ -weakly lower semicontinuous? Here we positively answer this question in a particular case of abelian W^* -algebras and present a general form of normal subadditive weights on these algebras. © Allerton Press, Inc., 2011.

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Keywords

C^* -algebra, Measurable function, Subadditive weight, W^* -algebra